



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/708,940

04/01/2004

Amit Bande

ORCL-002/OID-2003-258-01

2939

51121 7590 11/26/2008
LAW FIRM OF NAREN THAPPETA
C/o Landon-IP Inc.,
1700 Diagonal Road, Suite 450
Alexandria, VA 22314

EXAMINER

DWIVEDI, MAHESH H

ART UNIT

PAPER NUMBER

2168

MAIL DATE

DELIVERY MODE

11/26/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/708,940	Applicant(s) BANDE ET AL.	
	Examiner MAHESH H. DWIVEDI	Art Unit 2168	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 August 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,4-6,8,30,31 and 36-39 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,4-6,8,30,31 and 36-39 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 April 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/31/2007 has been entered.

Election/Restrictions

2. Applicant's election without traverse of Group I (claims 1, 4-6, 8, 30-31, and 36-39) in the reply filed on 02/25/2008 is acknowledged.

Remarks

3. Receipt of Applicant's Amendment filed on 02/25/2008 is acknowledged. The amendment includes the cancellation of claims 2-3, 7, 9-10, 12-13, 17, and 22-23, and the withdrawal of claims 11, 14-16, 18-21, 24-29, and 32-35.

Regarding Applicant's request that amended withdrawn group II claims 11, 14-16, 18-20, and 32-33 be included into elected group I, the examiner states that one cannot amend withdrawn claims. The examiner considers claims 11, 14-16, 18-20, and 32-33 as withdrawn.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1, 4-6, 30-31, and 36-39 are rejected under 35 U.S.C. 102(e) as being anticipated by **Malik** (U.S. Patent 7,089,286).

6. Regarding claim 1, **Malik** teaches a method comprising:

A) determining in said database client whether to send said data in a compressed format (Column 5, lines 31-47, Figure 4);

B) wherein said data is contained in a database query to be sent to said database server (Column 5, lines 31-47, Figure 4);

C) if it is determined to send said data in said compressed format, compressing said data to generate compressed data using a compression approach and sending said compressed data to said database server on said network (Column 4, lines 7-21, 22-34, Column 5, lines 31-47, Figures 2, 4); and

D) otherwise, sending said data in an uncompressed format to said database server on said network (Column 5, lines 31-47, Figure 4);

E) wherein said determined checks a processing load on said database server and determines not to send said data in said compressed format if the processing load on said database server is determined to be more than a first threshold (Column 5, lines 48-67-Column 6, lines 1-6, Column 7, lines 60-67-Column 8, lines 1-17).

The examiner notes that **Malik** teaches “**determining in said database client whether to send said data in a compressed format**” as “The method of selectively compressing attachment files according to the preferred embodiment is described with reference to FIG. 4. A user composes an e-mail communication having one or more attachments. Once the user requests to transmit the e-mail communication, as in step 40, the system determines the file type for each attachment file designated with the e-mail communication, as in step 41. Information regarding the compressibility of one of the designated attachment files is loaded in step 42 into the e-mail attachment configurator module 33 of FIG. 3. The system checks if the compressibility of that file type is above a certain threshold, in step 43. If it is, the file is then compressed in step 44. The process of loading compression information and selectively compressing files continues until each file has been analyzed. When the system determines that no other files remain to be analyzed, in step 45, the e-mail communication is transmitted, in step

Art Unit: 2168

46" (Column 5, lines 31-47). The examiner notes that **Malik** teaches "**wherein said data is contained in a database query to be sent to said database server**" as "The method of selectively compressing attachment files according to the preferred embodiment is described with reference to FIG. 4. A user composes an e-mail communication having one or more attachments. Once the user requests to transmit the e-mail communication, as in step 40, the system determines the file type for each attachment file designated with the e-mail communication, as in step 41. Information regarding the compressibility of one of the designated attachment files is loaded in step 42 into the e-mail attachment configurator module 33 of FIG. 3. The system checks if the compressibility of that file type is above a certain threshold, in step 43. If it is, the file is then compressed in step 44. The process of loading compression information and selectively compressing files continues until each file has been analyzed. When the system determines that no other files remain to be analyzed, in step 45, the e-mail communication is transmitted, in step 46" (Column 5, lines 31-47). The examiner further notes that because the client in **Malik** sends the data in a request, the data is sent in a query. The examiner further notes that **Malik** teaches "**if it is determined to send said data in said compressed format, compressing said data to generate compressed data using a compression approach and sending said compressed data to said database server on said network**" as "FIG. 2 is a schematic diagram of a specific networked computer system in accordance with a preferred embodiment of the present invention, wherein an e-mail communication with an attachment is transmitted from computer 20a to computer 28c via the Internet 24. Computers 20a, 20b, and 20c are connected together via LAN 21. Post office server 22 connects to LAN 21 for transmitting e-mail both within and outside the LAN network. A world wide web hyper text transport protocol ("HTTP") server 23 ("web server") is also connected to the LAN 21 for facilitating communication between any of the computers 20a, 20b, and 20c with other computer systems via the internet 24. Likewise, computers 28a, 28b, and 28c are connected together through LAN 27, which is also connected to a post office server 26 and web server 25" (column 4, lines 7-21) and "The method of selectively compressing attachment files according to the preferred embodiment is described with

Art Unit: 2168

reference to FIG. 4. A user composes an e-mail communication having one or more attachments. Once the user requests to transmit the e-mail communication, as in step 40, the system determines the file type for each attachment file designated with the e-mail communication, as in step 41. Information regarding the compressibility of one of the designated attachment files is loaded in step 42 into the e-mail attachment configurator module 33 of FIG. 3. The system checks if the compressibility of that file type is above a certain threshold, in step 43. If it is, the file is then compressed in step 44. The process of loading compression information and selectively compressing files continues until each file has been analyzed. When the system determines that no other files remain to be analyzed, in step 45, the e-mail communication is transmitted, in step 46" (Column 5, lines 31-47). The examiner further notes that **Malik** teaches **"otherwise, sending said data in an uncompressed format to said database server on said network"** as FIG. 2 is a schematic diagram of a specific networked computer system in accordance with a preferred embodiment of the present invention, wherein an e-mail communication with an attachment is transmitted from computer 20a to computer 28c via the Internet 24. Computers 20a, 20b, and 20c are connected together via LAN 21. Post office server 22 connects to LAN 21 for transmitting e-mail both within and outside the LAN network. A world wide web hyper text transport protocol ("HTTP") server 23 ("web server") is also connected to the LAN 21 for facilitating communication between any of the computers 20a, 20b, and 20c with other computer systems via the internet 24. Likewise, computers 28a, 28b, and 28c are connected together through LAN 27, which is also connected to a post office server 26 and web server 25" (column 4, lines 7-21) and "The method of selectively compressing attachment files according to the preferred embodiment is described with reference to FIG. 4. A user composes an e-mail communication having one or more attachments. Once the user requests to transmit the e-mail communication, as in step 40, the system determines the file type for each attachment file designated with the e-mail communication, as in step 41. Information regarding the compressibility of one of the designated attachment files is loaded in step 42 into the e-mail attachment configurator module 33 of FIG. 3. The system checks if the compressibility of that file type is above a certain threshold, in step

Art Unit: 2168

43. If it is, the file is then compressed in step 44. The process of loading compression information and selectively compressing files continues until each file has been analyzed. When the system determines that no other files remain to be analyzed, in step 45, the e-mail communication is transmitted, in step 46" (Column 5, lines 31-47). The examiner further notes that **Malik** teaches "**wherein said determined checks a processing load on said database server and determines not to send said data in said compressed format if the processing load on said database server is determined to be more than a first threshold**" as "The threshold according to which the system decides whether to compress a file can be automatically calculated, predetermined, or user-selected. An automatically calculated system changes the threshold point according to the relative amount of traffic on the network. The threshold point is used in step 43 of FIG. 4 for determining whether an attachment file is to be compressed. For example, in the late evening, when a LAN for a business is generally underutilized, the threshold for compressing files can be set to be relatively large such that few files are compressed. This allows for faster transmission because the system compresses comparatively fewer files before transmission. The recipient of the e-mail communication will also have the benefit that fewer files need to be decompressed. In contrast, during the peak hours on the network, the compression threshold is lowered, such that a majority of the attachment files are compressed before transmission along the network. This reduces the number of packets sent along the network during busy time periods, thus allowing for more efficient usage. A detector connected to the network server (not shown in FIG. 3) detects the relative network traffic, and sends a signal regarding the traffic information to network interface 32 in FIG. 3. The detector determines the relative amount of traffic on the network by a number of known methods. This information is then provided to the e-mail attachment configuration module 33 from network interface 32" (Column 5, lines 48-67-Column 6, lines 1-6) and "Depending upon the configuration of the recipient's e-mail communications system, the sender's e-mail configurator module can include additional capability to compress files according to the size limits imposed by the recipient's LAN. In e-mail communication systems that are generally available in the prior art, a user will receive an "undeliverable mail" message

in response to an e-mail, if the size of the group of attachments in the e-mail exceeds a predetermined size limit. The "undeliverable" message typically does indicate the size limit for the recipient's LAN. The present invention provides an automatic reconfiguration and resending of a mis-sent message in response to an "undeliverable message" that indicates the size limit for the recipient's LAN. The e-mail communications system according to this embodiment additionally includes in the e-mail configuration module 33 of FIG. 3 a detector for detecting the receipt of a "undeliverable" notification. The subject heading of the "undeliverable" notification provides the size limit for the recipient's LAN. The sent e-mail is retrieved and reconfigured according to steps 51-56 in FIG. 5. In this application, the "E-Mail Size Limit Standards" is provided from the subject heading of the "undeliverable" notification message. This reconfiguration and resend feature can occur automatically, or the user interface 31 in FIG. 3 may prompt the user to authorize re-transmitting the e-mail communication" (Column 7, lines 60-67-Column 8, lines 1-17).

Regarding claim 4, **Malik** further teaches a method comprising:

- A) wherein said determining checks a type of said data (Column 5, lines 8-30); and
- B) determines not to send said data in said compressed format if said type does not lend to substantial data compression (Column 5, lines 8-30).

The examiner notes that **Malik** teaches "**wherein said determining checks a type of said data**" as "The system for automatically compressing attachment files in e-mail communications is now explained with reference to the e-mail communications system 30 in FIG. 3. E-mail interface 31 provides a user interface for composing e-mail communications. Files that are selected to be attachments are stored in memory 35a, and are linked to the e-mail interface through data structures stored in 35b. Compressibility table 34 provides a database of a plurality of different types of files and the degree of compressibility for each respective type of file. Examples of file types might include word processing files, CAD files, video files, presentation software application files, picture files, etc. The compressibility of each of the different types of files is preferably provided in table 34 as a percentage by which the corresponding file is

Art Unit: 2168

typically reduced in size after compression. The compressibility table 34 is connected to an e-mail attachment configurator module 33 for determining which of the attachment files are to be compressed. Compression module 36 performs the compression of the attachment files selected to be compressed. The compression files are stored in memory 35b. Once the e-mail communication is configured for transmission, e-mail interface 31 forwards the e-mail message and attachment files to network interface 32” (Column 5, lines 8-30). The examiner further notes that **Malik** teaches “**determines not to send said data in said compressed format if said type does not lend to substantial data compression**” as “The system for automatically compressing attachment files in e-mail communications is now explained with reference to the e-mail communications system 30 in FIG. 3. E-mail interface 31 provides a user interface for composing e-mail communications. Files that are selected to be attachments are stored in memory 35a, and are linked to the e-mail interface through data structures stored in 35b. Compressibility table 34 provides a database of a plurality of different types of files and the degree of compressibility for each respective type of file. Examples of file types might include word processing files, CAD files, video files, presentation software application files, picture files, etc. The compressibility of each of the different types of files is preferably provided in table 34 as a percentage by which the corresponding file is typically reduced in size after compression. The compressibility table 34 is connected to an e-mail attachment configurator module 33 for determining which of the attachment files are to be compressed. Compression module 36 performs the compression of the attachment files selected to be compressed. The compression files are stored in memory 35b. Once the e-mail communication is configured for transmission, e-mail interface 31 forwards the e-mail message and attachment files to network interface 32” (Column 5, lines 8-30).

Regarding claim 5, **Malik** further teaches a method comprising:

- A) wherein said determining examines a size of said data (Column 7, lines 22-39); and
- B) determines not to send said data in said compressed format if said size is small (Column 7, lines 22-39).

The examiner notes that **Malik** teaches “**wherein said determining examines a size of said data**” as “As referred to above, the e-mail size limit standard can be determined by the network, predetermined within the e-mail application, or specified by the user. When automatically calculated by the network, a size limit will be supplied through the network interface 32 in FIG. 3 periodically throughout the day according to the traffic along the network. For example, the network administrator may set the limits for the maximum e-mail size at 2.0 MB when the network is at 50% capacity, 1.5 MB when the network is at 75% capacity, and 1.0 MB when the network is at 95% capacity. There can be as many intervals as necessary to improve performance along the network. The capacity of the network is determined and supplied to the configuration module via the network interface. The network information relevant to the user's e-mail may concern the network traffic on the entire LAN, or just the traffic on the portion of the LAN the extends from the user's computer to the post office on the LAN” (Column 7, lines 22-39). The examiner further notes that **Malik** teaches “**determines not to send said data in said compressed format if said size is small**” as “As referred to above, the e-mail size limit standard can be determined by the network, predetermined within the e-mail application, or specified by the user. When automatically calculated by the network, a size limit will be supplied through the network interface 32 in FIG. 3 periodically throughout the day according to the traffic along the network. For example, the network administrator may set the limits for the maximum e-mail size at 2.0 MB when the network is at 50% capacity, 1.5 MB when the network is at 75% capacity, and 1.0 MB when the network is at 95% capacity. There can be as many intervals as necessary to improve performance along the network. The capacity of the network is determined and supplied to the configuration module via the network interface. The network information relevant to the user's e-mail may concern the network traffic on the entire LAN, or just the traffic on the portion of the LAN the extends from the user's computer to the post office on the LAN” (Column 7, lines 22-39).

Regarding claim 6, **Malik** further teaches a method comprising:

Art Unit: 2168

A) wherein said determining further checks a speed of data transfer on said network (Column 5, lines 48-67-Column 6, lines 1-6); and

B) determines not to use said compressed format if said speed is high (Column 5, lines 48-67-Column 6, lines 1-6)

The examiner notes that **Malik** teaches “**wherein said determining further checks a speed of data transfer on said network**” as “The threshold according to which the system decides whether to compress a file can be automatically calculated, predetermined, or user-selected. An automatically calculated system changes the threshold point according to the relative amount of traffic on the network. The threshold point is used in step 43 of FIG. 4 for determining whether an attachment file is to be compressed. For example, in the late evening, when a LAN for a business is generally underutilized, the threshold for compressing files can be set to be relatively large such that few files are compressed. This allows for faster transmission because the system compresses comparatively fewer files before transmission. The recipient of the e-mail communication will also have the benefit that fewer files need to be decompressed. In contrast, during the peak hours on the network, the compression threshold is lowered, such that a majority of the attachment files are compressed before transmission along the network. This reduces the number of packets sent along the network during busy time periods, thus allowing for more efficient usage. A detector connected to the network server (not shown in FIG. 3) detects the relative network traffic, and sends a signal regarding the traffic information to network interface 32 in FIG. 3. The detector determines the relative amount of traffic on the network by a number of known methods. This information is then provided to the e-mail attachment configuration module 33 from network interface 32” (Column 5, lines 48-67-Column 6, lines 1-6). The examiner further notes that **Malik** teaches “**determines not to use said compressed format if said speed is high**” as “The threshold according to which the system decides whether to compress a file can be automatically calculated, predetermined, or user-selected. An automatically calculated system changes the threshold point according to the relative amount of traffic on the network. The threshold point is used in step 43 of FIG. 4 for determining whether an attachment file is to be compressed. For example, in the late

Art Unit: 2168

evening, when a LAN for a business is generally underutilized, the threshold for compressing files can be set to be relatively large such that few files are compressed. This allows for faster transmission because the system compresses comparatively fewer files before transmission. The recipient of the e-mail communication will also have the benefit that fewer files need to be decompressed. In contrast, during the peak hours on the network, the compression threshold is lowered, such that a majority of the attachment files are compressed before transmission along the network. This reduces the number of packets sent along the network during busy time periods, thus allowing for more efficient usage. A detector connected to the network server (not shown in FIG. 3) detects the relative network traffic, and sends a signal regarding the traffic information to network interface 32 in FIG. 3. The detector determines the relative amount of traffic on the network by a number of known methods. This information is then provided to the e-mail attachment configuration module 33 from network interface 32" (Column 5, lines 48-67-Column 6, lines 1-6).

Regarding claim 30, **Malik** further teaches a method comprising:

- A) wherein said determining checks said processing load in a plurality of corresponding previous time durations on said database server including at a first time instance and then at a second time instance (Column 7, lines 22-39); and
- B) determines not to send data in said compressed format between said first time instance and said second time instance if the processing load determined at said first time instance is more than said first threshold (Column 5, lines 31-47, Figure 4, Column 7, lines 22-39).

The examiner notes that **Malik** teaches "**wherein said determining checks said processing load in a plurality of corresponding previous time durations on said database server including at a first time instance and then at a second time instance**" as "As referred to above, the e-mail size limit standard can be determined by the network, predetermined within the e-mail application, or specified by the user. When automatically calculated by the network, a size limit will be supplied through the network interface 32 in FIG. 3 periodically throughout the day according to the traffic along the

Art Unit: 2168

network. For example, the network administrator may set the limits for the maximum e-mail size at 2.0 MB when the network is at 50% capacity, 1.5 MB when the network is at 75% capacity, and 1.0 MB when the network is at 95% capacity. There can be as many intervals as necessary to improve performance along the network. The capacity of the network is determined and supplied to the configuration module via the network interface. The network information relevant to the user's e-mail may concern the network traffic on the entire LAN, or just the traffic on the portion of the LAN the extends from the user's computer to the post office on the LAN" (Column 7, lines 22-39). The examiner further notes that **Malik** teaches **"determines not to send data in said compressed format between said first time instance and said second time instance if the processing load determined at said first time instance is more than said first threshold"** as "The method of selectively compressing attachment files according to the preferred embodiment is described with reference to FIG. 4. A user composes an e-mail communication having one or more attachments. Once the user requests to transmit the e-mail communication, as in step 40, the system determines the file type for each attachment file designated with the e-mail communication, as in step 41. Information regarding the compressibility of one of the designated attachment files is loaded in step 42 into the e-mail attachment configurator module 33 of FIG. 3. The system checks if the compressibility of that file type is above a certain threshold, in step 43. If it is, the file is then compressed in step 44. The process of loading compression information and selectively compressing files continues until each file has been analyzed. When the system determines that no other files remain to be analyzed, in step 45, the e-mail communication is transmitted, in step 46" (Column 5, lines 31-47) and "As referred to above, the e-mail size limit standard can be determined by the network, predetermined within the e-mail application, or specified by the user. When automatically calculated by the network, a size limit will be supplied through the network interface 32 in FIG. 3 periodically throughout the day according to the traffic along the network. For example, the network administrator may set the limits for the maximum e-mail size at 2.0 MB when the network is at 50% capacity, 1.5 MB when the network is at 75% capacity, and 1.0 MB when the network is at 95% capacity. There can be as many

Art Unit: 2168

intervals as necessary to improve performance along the network. The capacity of the network is determined and supplied to the configuration module via the network interface. The network information relevant to the user's e-mail may concern the network traffic on the entire LAN, or just the traffic on the portion of the LAN the extends from the user's computer to the post office on the LAN" (Column 7, lines 22-39).

Regarding claim 31, **Malik** further teaches a method comprising:

- A) wherein said determining checks a processing load on said database client (Column 5, lines 48-67-Column 6, lines 1-6, Figure 4, Column 7, lines 60-67-Column 8, lines 1-17); and
- B) determines to send said data in said compressed format if the processing load on said database server is not more than a first threshold and if the processing load on said database client is not more than a second threshold (Column 5, lines 48-67-Column 6, lines 1-6, Figure 4, Column 7, lines 60-67-Column 8, lines 1-17).

The examiner notes that **Malik** teaches "**wherein said determining checks a processing load on said database client**" as "The threshold according to which the system decides whether to compress a file can be automatically calculated, predetermined, or user-selected. An automatically calculated system changes the threshold point according to the relative amount of traffic on the network. The threshold point is used in step 43 of FIG. 4 for determining whether an attachment file is to be compressed. For example, in the late evening, when a LAN for a business is generally underutilized, the threshold for compressing files can be set to be relatively large such that few files are compressed. This allows for faster transmission because the system compresses comparatively fewer files before transmission. The recipient of the e-mail communication will also have the benefit that fewer files need to be decompressed. In contrast, during the peak hours on the network, the compression threshold is lowered, such that a majority of the attachment files are compressed before transmission along the network. This reduces the number of packets sent along the network during busy time periods, thus allowing for more efficient usage. A detector connected to the network server (not shown in FIG. 3) detects the relative network traffic, and sends a

Art Unit: 2168

signal regarding the traffic information to network interface 32 in FIG. 3. The detector determines the relative amount of traffic on the network by a number of known methods. This information is then provided to the e-mail attachment configuration module 33 from network interface 32" (Column 5, lines 48-67-Column 6, lines 1-6) and "Depending upon the configuration of the recipient's e-mail communications system, the sender's e-mail configurator module can include additional capability to compress files according to the size limits imposed by the recipient's LAN. In e-mail communication systems that are generally available in the prior art, a user will receive an "undeliverable mail" message in response to an e-mail, if the size of the group of attachments in the e-mail exceeds a predetermined size limit. The "undeliverable" message typically does indicate the size limit for the recipient's LAN. The present invention provides an automatic reconfiguration and resending of a mis-sent message in response to an "undeliverable message" that indicates the size limit for the recipient's LAN. The e-mail communications system according to this embodiment additionally includes in the e-mail configuration module 33 of FIG. 3 a detector for detecting the receipt of a "undeliverable" notification. The subject heading of the "undeliverable" notification provides the size limit for the recipient's LAN. The sent e-mail is retrieved and reconfigured according to steps 51 56 in FIG. 5. In this application, the "E-Mail Size Limit Standards" is provided from the subject heading of the "undeliverable" notification message. This reconfiguration and resend feature can occur automatically, or the user interface 31 in FIG. 3 may prompt the user to authorize re-transmitting the e-mail communication" (Column 7, lines 60-67-Column 8, lines 1-17). The examiner further notes that **Malik** teaches **"determines to send said data in said compressed format if the processing load on said database server is not more than a first threshold and if the processing load on said database client is not more than a second threshold"** as "The threshold according to which the system decides whether to compress a file can be automatically calculated, predetermined, or user-selected. An automatically calculated system changes the threshold point according to the relative amount of traffic on the network. The threshold point is used in step 43 of FIG. 4 for determining whether an attachment file is to be compressed. For example, in the late evening, when a LAN for a business is generally

Art Unit: 2168

underutilized, the threshold for compressing files can be set to be relatively large such that few files are compressed. This allows for faster transmission because the system compresses comparatively fewer files before transmission. The recipient of the e-mail communication will also have the benefit that fewer files need to be decompressed. In contrast, during the peak hours on the network, the compression threshold is lowered, such that a majority of the attachment files are compressed before transmission along the network. This reduces the number of packets sent along the network during busy time periods, thus allowing for more efficient usage. A detector connected to the network server (not shown in FIG. 3) detects the relative network traffic, and sends a signal regarding the traffic information to network interface 32 in FIG. 3. The detector determines the relative amount of traffic on the network by a number of known methods. This information is then provided to the e-mail attachment configuration module 33 from network interface 32" (Column 5, lines 48-67-Column 6, lines 1-6) and "Depending upon the configuration of the recipient's e-mail communications system, the sender's e-mail configurator module can include additional capability to compress files according to the size limits imposed by the recipient's LAN. In e-mail communication systems that are generally available in the prior art, a user will receive an "undeliverable mail" message in response to an e-mail, if the size of the group of attachments in the e-mail exceeds a predetermined size limit. The "undeliverable" message typically does indicate the size limit for the recipient's LAN. The present invention provides an automatic reconfiguration and resending of a mis-sent message in response to an "undeliverable message" that indicates the size limit for the recipient's LAN. The e-mail communications system according to this embodiment additionally includes in the e-mail configuration module 33 of FIG. 3 a detector for detecting the receipt of a "undeliverable" notification. The subject heading of the "undeliverable" notification provides the size limit for the recipient's LAN. The sent e-mail is retrieved and reconfigured according to steps 51 56 in FIG. 5. In this application, the "E-Mail Size Limit Standards" is provided from the subject heading of the "undeliverable" notification message. This reconfiguration and resend feature can occur automatically, or the user interface 31 in FIG. 3 may prompt

Art Unit: 2168

the user to authorize re-transmitting the e-mail communication” (Column 7, lines 60-67-Column 8, lines 1-17).

Regarding claim 36, **Malik** teaches a computing system comprising:

- A) a database server to enable storage and access of data using structured queries (Column 5, lines 31-47, Figure 4);
- B) a network to provide connectivity to said database server (Column 3, lines 54-61); and
- C) a second end system comprising: a client block to generate a database query to be sent to said database server (Column 5, lines 31-47, Figure 4);
- D) wherein said database query contains a data to be stored in said database server (Column 5, lines 31-47, Figure 4);
- E) a session layer block to establish a connection with said database server on said network (Column 4, lines 7-21);
- F) wherein said connection enables sending of said database query to said database server (Column 5, lines 31-47, Figure 4); and
- G) a compression block to determine whether to send said data in a compressed format (Column 5, lines 31-47, Figure 4);
- H) wherein if it is determined to send said data in a compressed format, said compression block to compress said data to generate compressed data and said session layer block to send said compressed data on said connection to said database server (Column 4, lines 7-21, 22-34, Column 5, lines 31-47, Figures 2, 4);
- I) otherwise, said session layer block to send said data in an uncompressed format on said connection to said database server (Column 5, lines 31-47, Figure 4).

The examiner notes that **Malik** teaches “**a database server to enable storage and access of data using structured queries**” as “FIG. 2 is a schematic diagram of a specific networked computer system in accordance with a preferred embodiment of the present invention, wherein an e-mail communication with an attachment is transmitted from computer 20a to computer 28c via the Internet 24. Computers 20a, 20b, and 20c are connected together via LAN 21. Post office server 22 connects to LAN 21 for

Art Unit: 2168

transmitting e-mail both within and outside the LAN network. A world wide web hyper text transport protocol ("HTTP") server 23 ("web server") is also connected to the LAN 21 for facilitating communication between any of the computers 20a, 20b, and 20c with other computer systems via the internet 24. Likewise, computers 28a, 28b, and 28c are connected together through LAN 27, which is also connected to a post office server 26 and web server 25" (Column 5, lines 31-47). The examiner further notes that **Malik** teaches **"a network to provide connectivity to said database server"** as "The present invention will now be described in more detail with reference to the figures. FIG. 1 is a schematic diagram of a basic computer network system, in which computer 10 is connected to computer 12 through a network 13 to facilitate e-mail communications with attachments. Computer 10 has an e-mail communications user interface 11 that permits the computer to send e-mail communications using network 13" (Column 3, lines 54-61). The examiner further notes that **Malik** teaches **"a second end system comprising: a client block to generate a database query to be sent to said database server"** as "FIG. 2 is a schematic diagram of a specific networked computer system in accordance with a preferred embodiment of the present invention, wherein an e-mail communication with an attachment is transmitted from computer 20a to computer 28c via the Internet 24. Computers 20a, 20b, and 20c are connected together via LAN 21. Post office server 22 connects to LAN 21 for transmitting e-mail both within and outside the LAN network. A world wide web hyper text transport protocol ("HTTP") server 23 ("web server") is also connected to the LAN 21 for facilitating communication between any of the computers 20a, 20b, and 20c with other computer systems via the internet 24. Likewise, computers 28a, 28b, and 28c are connected together through LAN 27, which is also connected to a post office server 26 and web server 25" (Column 5, lines 31-47). The examiner further notes that **Malik** teaches **"wherein said database query contains a data to be stored in said database server"** as "FIG. 2 is a schematic diagram of a specific networked computer system in accordance with a preferred embodiment of the present invention, wherein an e-mail communication with an attachment is transmitted from computer 20a to computer 28c via the Internet 24. Computers 20a, 20b, and 20c are connected together via LAN 21. Post office server 22

Art Unit: 2168

connects to LAN 21 for transmitting e-mail both within and outside the LAN network. A world wide web hyper text transport protocol ("HTTP") server 23 ("web server") is also connected to the LAN 21 for facilitating communication between any of the computers 20a, 20b, and 20c with other computer systems via the internet 24. Likewise, computers 28a, 28b, and 28c are connected together through LAN 27, which is also connected to a post office server 26 and web server 25" (Column 5, lines 31-47). The examiner further notes that **Malik** teaches "**a session layer block to establish a connection with said database server on said network**" as "FIG. 2 is a schematic diagram of a specific networked computer system in accordance with a preferred embodiment of the present invention, wherein an e-mail communication with an attachment is transmitted from computer 20a to computer 28c via the Internet 24. Computers 20a, 20b, and 20c are connected together via LAN 21. Post office server 22 connects to LAN 21 for transmitting e-mail both within and outside the LAN network. A world wide web hyper text transport protocol ("HTTP") server 23 ("web server") is also connected to the LAN 21 for facilitating communication between any of the computers 20a, 20b, and 20c with other computer systems via the internet 24. Likewise, computers 28a, 28b, and 28c are connected together through LAN 27, which is also connected to a post office server 26 and web server 25" (Column 5, lines 31-47). The examiner further notes that **Malik** teaches "**a compression block to determine whether to send said data in a compressed format**" as "The method of selectively compressing attachment files according to the preferred embodiment is described with reference to FIG. 4. A user composes an e-mail communication having one or more attachments. Once the user requests to transmit the e-mail communication, as in step 40, the system determines the file type for each attachment file designated with the e-mail communication, as in step 41. Information regarding the compressibility of one of the designated attachment files is loaded in step 42 into the e-mail attachment configurator module 33 of FIG. 3. The system checks if the compressibility of that file type is above a certain threshold, in step 43. If it is, the file is then compressed in step 44. The process of loading compression information and selectively compressing files continues until each file has been analyzed. When the system determines that no other files remain to be analyzed, in

Art Unit: 2168

step 45, the e-mail communication is transmitted, in step 46" (Column 5, lines 31-47).

The examiner further notes that **Malik** teaches **"wherein if it is determined to send said data in a compressed format, said compression block to compress said data to generate compressed data and said session layer block to send said compressed data on said connection to said database server"** as "FIG. 2 is a schematic diagram of a specific networked computer system in accordance with a preferred embodiment of the present invention, wherein an e-mail communication with an attachment is transmitted from computer 20a to computer 28c via the Internet 24. Computers 20a, 20b, and 20c are connected together via LAN 21. Post office server 22 connects to LAN 21 for transmitting e-mail both within and outside the LAN network. A world wide web hyper text transport protocol ("HTTP") server 23 ("web server") is also connected to the LAN 21 for facilitating communication between any of the computers 20a, 20b, and 20c with other computer systems via the internet 24. Likewise, computers 28a, 28b, and 28c are connected together through LAN 27, which is also connected to a post office server 26 and web server 25" (column 4, lines 7-21) and "The method of selectively compressing attachment files according to the preferred embodiment is described with reference to FIG. 4. A user composes an e-mail communication having one or more attachments. Once the user requests to transmit the e-mail communication, as in step 40, the system determines the file type for each attachment file designated with the e-mail communication, as in step 41. Information regarding the compressibility of one of the designated attachment files is loaded in step 42 into the e-mail attachment configurator module 33 of FIG. 3. The system checks if the compressibility of that file type is above a certain threshold, in step 43. If it is, the file is then compressed in step 44. The process of loading compression information and selectively compressing files continues until each file has been analyzed. When the system determines that no other files remain to be analyzed, in step 45, the e-mail communication is transmitted, in step 46" (Column 5, lines 31-47). The examiner further notes that **Malik** teaches **"otherwise, said session layer block to send said data in an uncompressed format on said connection to said database server"** as FIG. 2 is a schematic diagram of a specific networked computer system in accordance with a preferred

Art Unit: 2168

embodiment of the present invention, wherein an e-mail communication with an attachment is transmitted from computer 20a to computer 28c via the Internet 24. Computers 20a, 20b, and 20c are connected together via LAN 21. Post office server 22 connects to LAN 21 for transmitting e-mail both within and outside the LAN network. A world wide web hyper text transport protocol ("HTTP") server 23 ("web server") is also connected to the LAN 21 for facilitating communication between any of the computers 20a, 20b, and 20c with other computer systems via the internet 24. Likewise, computers 28a, 28b, and 28c are connected together through LAN 27, which is also connected to a post office server 26 and web server 25" (column 4, lines 7-21) and "The method of selectively compressing attachment files according to the preferred embodiment is described with reference to FIG. 4. A user composes an e-mail communication having one or more attachments. Once the user requests to transmit the e-mail communication, as in step 40, the system determines the file type for each attachment file designated with the e-mail communication, as in step 41. Information regarding the compressibility of one of the designated attachment files is loaded in step 42 into the e-mail attachment configurator module 33 of FIG. 3. The system checks if the compressibility of that file type is above a certain threshold, in step 43. If it is, the file is then compressed in step 44. The process of loading compression information and selectively compressing files continues until each file has been analyzed. When the system determines that no other files remain to be analyzed, in step 45, the e-mail communication is transmitted, in step 46" (Column 5, lines 31-47).

Regarding claim 37, **Malik** further teaches a computing system comprising:

- A) wherein said compression block determines a processing load on said database server in a corresponding previous time duration at a plurality of time instances (Column 7, lines 22-39); and
- B) decides whether or not to send data in said compressed format based on the processing load in a preceding time instance (Column 5, lines 31-47, Figure 4, Column 7, lines 22-39).

The examiner notes that **Malik** teaches “**wherein said compression block determines a processing load on said database server in a corresponding previous time duration at a plurality of time instances**” as “As referred to above, the e-mail size limit standard can be determined by the network, predetermined within the e-mail application, or specified by the user. When automatically calculated by the network, a size limit will be supplied through the network interface 32 in FIG. 3 periodically throughout the day according to the traffic along the network. For example, the network administrator may set the limits for the maximum e-mail size at 2.0 MB when the network is at 50% capacity, 1.5 MB when the network is at 75% capacity, and 1.0 MB when the network is at 95% capacity. There can be as many intervals as necessary to improve performance along the network. The capacity of the network is determined and supplied to the configuration module via the network interface. The network information relevant to the user's e-mail may concern the network traffic on the entire LAN, or just the traffic on the portion of the LAN the extends from the user's computer to the post office on the LAN” (Column 7, lines 22-39). The examiner further notes that **Malik** teaches “**decides whether or not to send data in said compressed format based on the processing load in a preceding time instance**” as “The method of selectively compressing attachment files according to the preferred embodiment is described with reference to FIG. 4. A user composes an e-mail communication having one or more attachments. Once the user requests to transmit the e-mail communication, as in step 40, the system determines the file type for each attachment file designated with the e-mail communication, as in step 41. Information regarding the compressibility of one of the designated attachment files is loaded in step 42 into the e-mail attachment configurator module 33 of FIG. 3. The system checks if the compressibility of that file type is above a certain threshold, in step 43. If it is, the file is then compressed in step 44. The process of loading compression information and selectively compressing files continues until each file has been analyzed. When the system determines that no other files remain to be analyzed, in step 45, the e-mail communication is transmitted, in step 46” (Column 5, lines 31-47) and “As referred to above, the e-mail size limit standard can be determined by the network, predetermined

within the e-mail application, or specified by the user. When automatically calculated by the network, a size limit will be supplied through the network interface 32 in FIG. 3 periodically throughout the day according to the traffic along the network. For example, the network administrator may set the limits for the maximum e-mail size at 2.0 MB when the network is at 50% capacity, 1.5 MB when the network is at 75% capacity, and 1.0 MB when the network is at 95% capacity. There can be as many intervals as necessary to improve performance along the network. The capacity of the network is determined and supplied to the configuration module via the network interface. The network information relevant to the user's e-mail may concern the network traffic on the entire LAN, or just the traffic on the portion of the LAN the extends from the user's computer to the post office on the LAN" (Column 7, lines 22-39).

Regarding claim 38, **Malik** further teaches a computing system comprising:
A) wherein said second end system comprises a database client (Column 5, lines 31-47, Figure 4).

The examiner notes that **Malik** teaches "**wherein said second end system comprises a database client**" as "The method of selectively compressing attachment files according to the preferred embodiment is described with reference to FIG. 4. A user composes an e-mail communication having one or more attachments. Once the user requests to transmit the e-mail communication, as in step 40, the system determines the file type for each attachment file designated with the e-mail communication, as in step 41. Information regarding the compressibility of one of the designated attachment files is loaded in step 42 into the e-mail attachment configurator module 33 of FIG. 3. The system checks if the compressibility of that file type is above a certain threshold, in step 43. If it is, the file is then compressed in step 44. The process of loading compression information and selectively compressing files continues until each file has been analyzed. When the system determines that no other files remain to be analyzed, in step 45, the e-mail communication is transmitted, in step 46" (Column 5, lines 31-47)

Regarding claim 39, **Malik** further teaches a computing system comprising:
A) wherein said second end system comprises another database server (Column 4, lines 7-21).

The examiner notes that **Malik** teaches “**wherein said second end system comprises another database server**” as “FIG. 2 is a schematic diagram of a specific networked computer system in accordance with a preferred embodiment of the present invention, wherein an e-mail communication with an attachment is transmitted from computer 20a to computer 28c via the Internet 24. Computers 20a, 20b, and 20c are connected together via LAN 21. Post office server 22 connects to LAN 21 for transmitting e-mail both within and outside the LAN network. A world wide web hyper text transport protocol ("HTTP") server 23 ("web server") is also connected to the LAN 21 for facilitating communication between any of the computers 20a, 20b, and 20c with other computer systems via the internet 24. Likewise, computers 28a, 28b, and 28c are connected together through LAN 27, which is also connected to a post office server 26 and web server 25” (Column 4, lines 7-21).

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

9. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over **Malik** (U.S. Patent 7,089,286) as applied to claims 1, 4-6, 30-31, and 36-39 above, and in view of **Gish** (U.S. PG PUB 2005/0144309).

10. Regarding claim 8, **Malik** further teaches a method and computer readable medium comprising:

A) wherein said determining further checks a speed of data transfer on said network and determines not to use said compressed format is said speed is high (Column 5, lines 48-67-Column 6, lines 1-6, Column 7, lines 60-67-Column 8, lines 1-17).

The examiner notes that **Malik** teaches “**wherein said determining further checks a speed of data transfer on said network and determines not to use said compressed format is said speed is high**” as “The threshold according to which the system decides whether to compress a file can be automatically calculated, predetermined, or user-selected. An automatically calculated system changes the threshold point according to the relative amount of traffic on the network. The threshold point is used in step 43 of FIG. 4 for determining whether an attachment file is to be compressed. For example, in the late evening, when a LAN for a business is generally underutilized, the threshold for compressing files can be set to be relatively large such that few files are compressed. This allows for faster transmission because the system compresses comparatively fewer files before transmission. The recipient of the e-mail communication will also have the benefit that fewer files need to be decompressed. In contrast, during the peak hours on the network, the compression threshold is lowered, such that a majority of the attachment files are compressed before transmission along the network. This reduces the number of packets sent along the network during busy time periods, thus allowing for more efficient usage. A detector connected to the network server (not shown in FIG. 3) detects the relative network traffic, and sends a signal regarding the traffic information to network interface 32 in FIG. 3. The detector determines the relative amount of traffic on the network by a number of known methods. This information is then provided to the e-mail attachment configuration module 33 from network interface 32” (Column 5, lines 48-67-Column 6, lines 1-6) and “Depending upon the configuration of the recipient's e-mail communications system, the sender's e-mail

Art Unit: 2168

configurator module can include additional capability to compress files according to the size limits imposed by the recipient's LAN. In e-mail communication systems that are generally available in the prior art, a user will receive an "undeliverable mail" message in response to an e-mail, if the size of the group of attachments in the e-mail exceeds a predetermined size limit. The "undeliverable" message typically does indicate the size limit for the recipient's LAN. The present invention provides an automatic reconfiguration and resending of a mis-sent message in response to an "undeliverable message" that indicates the size limit for the recipient's LAN. The e-mail communications system according to this embodiment additionally includes in the e-mail configuration module 33 of FIG. 3 a detector for detecting the receipt of a "undeliverable" notification. The subject heading of the "undeliverable" notification provides the size limit for the recipient's LAN. The sent e-mail is retrieved and reconfigured according to steps 51 56 in FIG. 5. In this application, the "E-Mail Size Limit Standards" is provided from the subject heading of the "undeliverable" notification message. This reconfiguration and resend feature can occur automatically, or the user interface 31 in FIG. 3 may prompt the user to authorize re-transmitting the e-mail communication" (Column 7, lines 60-67-Column 8, lines 1-17).

Malik does not explicitly teach:

B) wherein said speed is determined by including a first local time stamp in a packet sent to said second end system, and receiving a second time stamp and a third time stamp from said second end system at a time specified by a fourth local time stamp, wherein said second time stamp indicates a time at which said packet is received in said second end system and said third time stamp indicates a time at which said packet is sent from said second end system, wherein said speed is determined based on said first local time stamp, said second time stamp, said third time stamp, and said fourth time stamp.

Gish, however, teaches “**wherein said speed is determined by including a first local time stamp in a packet sent to said second end system, and receiving a second time stamp and a third time stamp from said second end system at a time specified by a fourth local time stamp, wherein said second time stamp indicates**

Art Unit: 2168

a time at which said packet is received in said second end system and said third time stamp indicates a time at which said packet is sent from said second end system, wherein said speed is determined based on said first local time stamp, said second time stamp, said third time stamp, and said fourth time stamp” as “In one embodiment, the basic timing protocol involves sending messages at regular intervals from a timing client to a timing server and back. Four time-stamps (TS) are appended to this round-trip message. Specifically: TS1 Appended by the client when it sends the message to the server TS2 Appended by the server when it receives the message TS3 Appended by the server when it sends the message back to the client TS4 Appended by the client when it receives the message. These four time-stamps are then used by the timing algorithm, which calculates the round-trip delay. In one embodiment the round-trip delay is computed as: $(TS4 - TS1) - (TS3 - TS2)$. This corresponds to the time it takes for a message to travel to the timing server and back, minus the time it takes for the server to turn the message around” (Paragraphs 50-51).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of the cited references because teaching **Gish’s** would have allowed **Malik’s** to provide a method for a server to combat congestions and detect faulty behavior in networks through various calculation techniques, as noted by **Gish** (Paragraph 3).

Response to Arguments

11. Applicant's arguments with respect to claims 1, 4-6, 8, 30-31, and 36-39 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. PGPUB 2004/0205249 issued to **Berry** on 14 October 2004. The subject matter disclosed therein is pertinent to that of claims 1, 4-6, 8, 30-31, and 36-39 (e.g., determining whether to compress data to a requesting client).

U.S. PGPUB 2005/0210151 issued to **Abdo et al.** on 22 September 2005. The subject matter disclosed therein is pertinent to that of claims 1, 4-6, 8, 30-31, and 36-39 (e.g., determining whether to compress data to a requesting client).

U.S. PGPUB 2005/0268068 issued to **Ignatius et al.** on 01 December 2005. The subject matter disclosed therein is pertinent to that of claims 1, 4-6, 8, 30-31, and 36-39 (e.g., determining whether to compress data to a requesting client).

U.S. PGPUB 2002/0184224 issued to **Haff et al.** on 05 December 2002. The subject matter disclosed therein is pertinent to that of claims 1, 4-6, 8, 30-31, and 36-39 (e.g., determining whether to compress data to a requesting client).

U.S. Patent 7,043,524 issued to **Shah et al.** on 09 May 2006. The subject matter disclosed therein is pertinent to that of claims 30-35 (e.g., periodic determination of cpu utilization).

U.S. Patent 7,024,460 issued to **Koopmas et al.** on 04 April 2006. The subject matter disclosed therein is pertinent to that of claims 1, 4-6, 8, 30-31, and 36-39 (e.g., determining whether to compress data to a requesting client).

U.S. Patent 6,535,238 issued to **Kressin** on 18 May 2003. The subject matter disclosed therein is pertinent to that of claims 1, 4-6, 8, 30-31, and 36-39 (e.g., determining whether to compress data to a requesting client).

U.S. PGPUB 2005/0188112 issued to **Desai et al.** on 25 August 2005. The subject matter disclosed therein is pertinent to that of claims 1, 4-6, 8, 30-31, and 36-39 (e.g., determining whether to compress data to a requesting client).

European Patent WO 02/097584 issued to **Cranstone** on 05 December 2002. The subject matter disclosed therein is pertinent to that of claims 1, 4-6, 8, 30-31, and 36-39 (e.g., determining whether to compress data to a requesting client).

U.S. Patent 5,276,898 issued to **Kiel et al.** on 04 January 1994. The subject matter disclosed therein is pertinent to that of claims 1, 4-6, 8, 30-31, and 36-39 (e.g., determining whether to compress data to a requesting client).

U.S. Patent 6,832,241 issued to **Tracton et al.** on 14 December 2004. The subject matter disclosed therein is pertinent to that of claims 1, 4-6, 8, 30-31, and 36-39 (e.g., determining whether to compress data to a requesting client).

U.S. PGPUB 2004/0103215 issued to **Ernst et al.** on 27 May 2004. The subject matter disclosed therein is pertinent to that of claims 1, 4-6, 8, 30-31, and 36-39 (e.g., determining whether to compress data to a requesting client).

U.S. PGPUB 2003/0123466 issued to **Somekh et al.** on 03 July 2003. The subject matter disclosed therein is pertinent to that of claims 1, 4-6, 8, 30-31, and 36-39 (e.g., determining whether to compress data to a requesting client).

U.S. PGPUB 2004/0143650 issued to **Wollowitz** on 22 July 2004. The subject matter disclosed therein is pertinent to that of claims 1, 4-6, 8, 30-31, and 36-39 (e.g., determining whether to compress data to a requesting client).

U.S. Patent 7,398,325 issued to **Weller** on 08 July 2008. The subject matter disclosed therein is pertinent to that of claims 1, 4-6, 8, 30-31, and 36-39 (e.g., determining whether to compress data to a requesting client).

U.S. Patent 7,437,483 issued to **Goossen et al.** on 14 October 2008. The subject matter disclosed therein is pertinent to that of claims 1, 4-6, 8, 30-31, and 36-39 (e.g., determining whether to compress data to a requesting client).

Contact Information

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mahesh Dwivedi whose telephone number is (571) 272-2731. The examiner can normally be reached on Monday to Friday 8:20 am – 4:40 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Vo can be reached (571) 272-3642. The fax number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Application/Control Number: 10/708,940
Art Unit: 2168

Page 29

Mahesh Dwivedi
Patent Examiner
Art Unit 2168

November 18, 2007
/Mahesh H Dwivedi/
Examiner, Art Unit 2168

/Tim T. Vo/
Supervisory Patent Examiner, Art Unit 2168